

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number  
WO 2005/064106 A1

(51) International Patent Classification<sup>7</sup>: E05F 1/12.  
E05D 3/06

(74) Agents: GERVASI, Gemma et al.; Notarbartolo & Gervasi S.p.A., Corso di Porta Vittoria 9, I-20122 Milan (IT).

(21) International Application Number:  
PCT/EP2004/053666

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
22 December 2004 (22.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
RM2003A000599  
23 December 2003 (23.12.2003) IT

(71) Applicant (for all designated States except US): ARTURO SALICE S.P.A. [IT/IT]; Via Provinciale Novedrate 10, I-22060 Novedrate (IT).

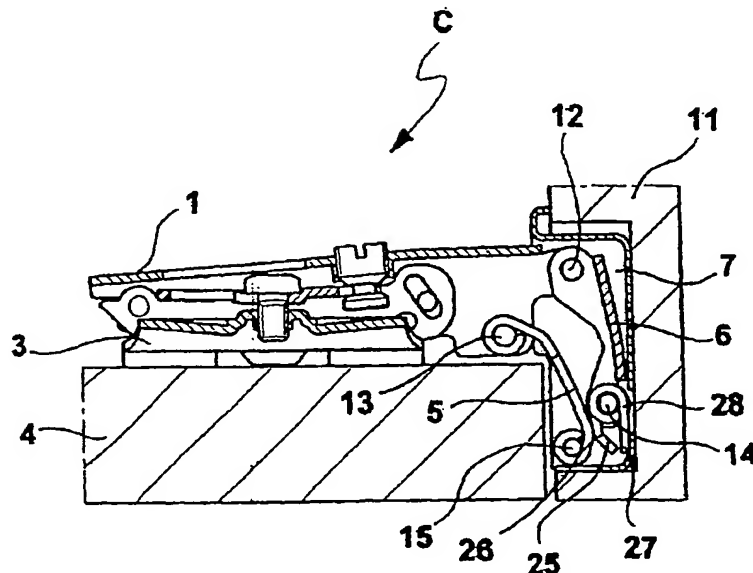
(72) Inventor; and

(75) Inventor/Applicant (for US only): SALICE, Luciano [IT/IT]; Via Ronco, 30, I-22060 Carimate (IT).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: FURNITURE HINGE WITH SPRING



(57) Abstract: Furniture hinge with a fixing arm (1) for fixing to a piece of furniture (4), a member (7) for fixing to a door (11), linked by two rockers (5, 6), forming an articulated quadrilateral so as to allow the rotation thereof, a V-shaped spring (28, 38, 48), placed at an end of a rocker (6), with an arm of the spring resting on the member for fixing to the furniture (4) or to the door (11) and the other arm of the spring resting on one of the rockers (5, 6), so as to create a lever arm that compresses the spring (8) producing a moment in the opening direction of the door (11), when this is in the closed position.



**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*